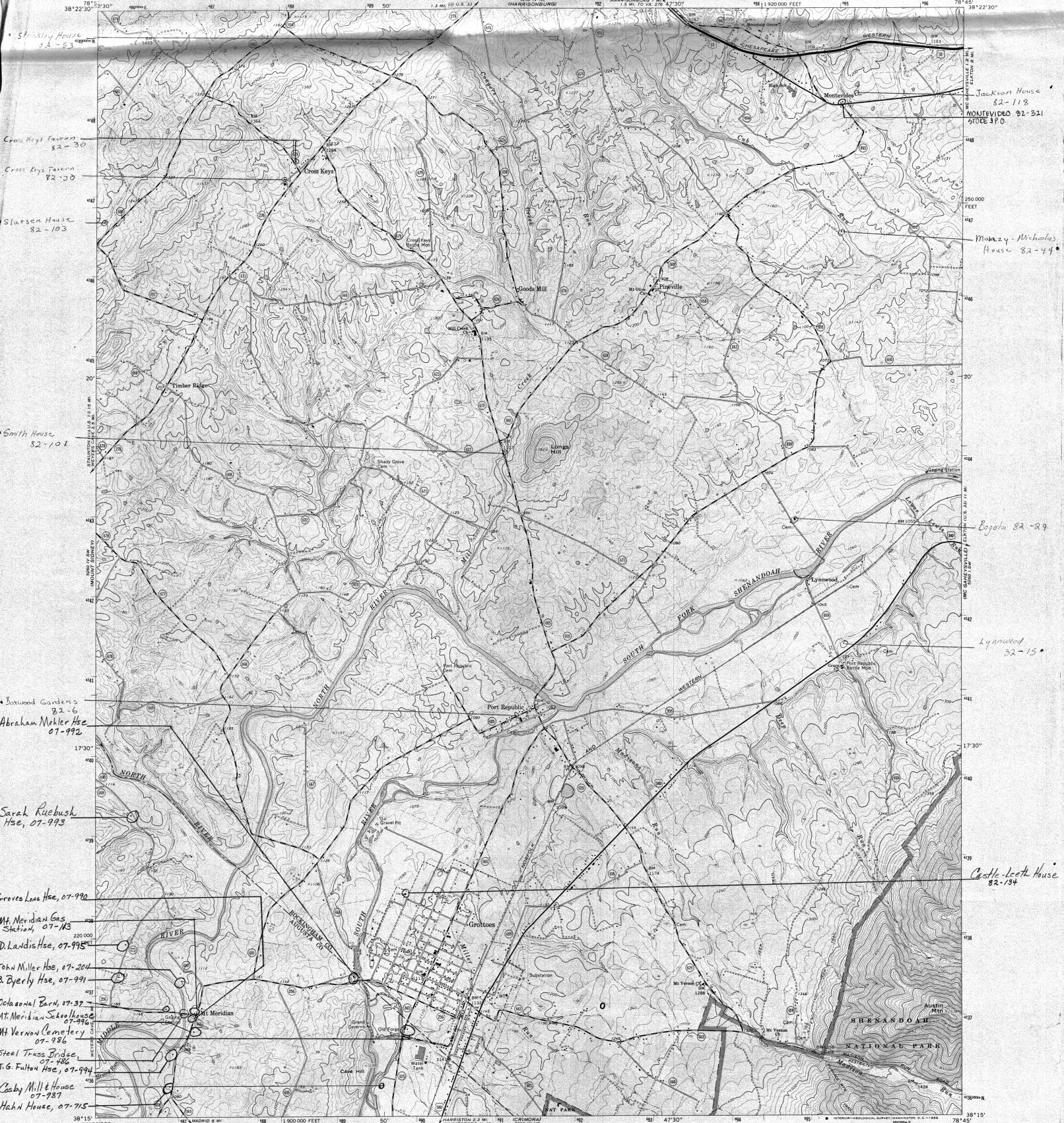


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

COMMONWEALTH OF VIRGINIA  
DIVISION OF MINERAL RESOURCES  
JAMES L. CALVER, STATE GEOLOGIST

GROTTOES QUADRANGLE  
VIRGINIA  
7.5 MINUTE SERIES (TOPOGRAPHIC)  
SE/4 HARRISONBURG 15' QUADRANGLE

36



Mapped, edited, and published by the Geological Survey  
Control by USGS, USG&GS, and USCE

Topography by photogrammetric methods from aerial

Topography by photogrammetric methods from aerial photographs taken 1963. Field checked 1964

Polyconic projection. 1927 North American datum  
10,000-foot grid based on Virginia coordinate system, north zone

10,000-foot grid based on Virginia coordinate system, in  
1000-meter Universal Transverse Mercator grid ticks,  
zone 17, shown in blue.

Fine red dashed lines indicate selected fence and field lines where  
the property boundaries may change. This information is unshaded.

The red coated lines indicate selected roads and river lines were generally visible on aerial photographs. This information is unchecked.

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UTM GRID AND 1964 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. 20242,  
AND VIRGINIA DIVISION OF MINERAL RESOURCES, CHARLOTTESVILLE, VIRGINIA  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

VIRGINIA  
QUADRANGLE LOCATION

ROAD CLASSIFICATION

Heavy-duty — Light-duty —

Medium-duty — Unimproved dirt - - - - -

U.S. Route  State Route

GROTOES, VA.  
E/4 HARRISONBURG 15' QUADRANGLE  
N3815—W7845/7.5

1964

AMS 5260 IV SE-SERIES V834

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